

# PRODUCT CATALOGUE

Volume 5



# COMPANY PROFILE

## INTRODUCTION

South Ocean Electric Wire Company (Pty) Ltd (SOEW) was established in 1989 and is a subsidiary of the JSE listed company, South Ocean Holdings Ltd. SOEW operates an electrical cable manufacturing plant in Alrode. A full range of low voltage electrical cables are manufactured, from typical household wiring to industrial steel wire armoured cables. These are sold to electrical wholesalers and distributors who supply the building, construction, mining and retail industries. Manufacturing processes utilise practices which minimize any potential harmful impact on the environment.

SOEW is a medium sized manufacturer of electrical cables with its main market in the general-purpose market, focusing on the distributor and wholesale sectors.

SOEW endeavours to maintain excellent customer relationships, meeting their short and long term requirements, which is supported by excellent service and competitive pricing. The products are delivered to customers by SOEW's fleet.

Quality products are supplied to customers and our products comply with standards laid down by the South African Bureau of Standards. The company was certified compliant with ISO 9001:2008 Management Standard in July 2009. The plant has a testing laboratory to ensure SOEW products perform optimally. The quality of all products is tested by the quality department team in its laboratory to ensure that SOEW products comply to the highest standards.

SOEW employs approximately 400 people who represent the full complement of personnel necessary to sustain the growth of our operation and includes electrical, engineering, administration, marketing and manufacturing personnel.

The company consistently works to improve the skill levels of staff, encouraging growth and development. The company emphasises on-the-job training and supports the development of skills.

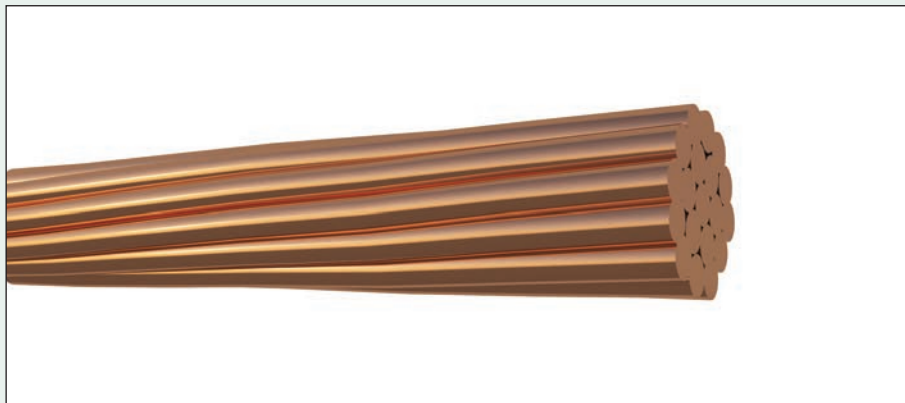
The company values the Health and Safety of its employees, creating a safe environment to operate in.

## MISSION STATEMENT

- To offer excellent and reputable service to our shareholders, customers, suppliers and staff.
- To be the lowest cost producer with products of the highest quality.
- To remain an entrepreneurial company, and create an environment that develops all of our employees to attain their true potential.



Bare Copper Earth Wire	Page 2
General Purpose House Wire	Page 3
Flat Twin and Earth	Page 4
Surface Wiring	Page 5
Twin Illumination Cable	Page 6
Cabtyre	Page 7
Single Core Flex	Page 8
Flex Power	Page 9
Ripcord	Page 10
Mainscord	Page 11
Submersible Pump Cable	Page 12
Nitrile Trailing Cable	Page 13
PVC Nitrile Welding Cable	Page 14
Copper Flame Retardent (FR) Armoured Cable 600/1000V	Page 15
Copper Low Halogen (LHC) Armoured Cable 600/1000V	Page 16
Copper Flame Retardent ECC (FR) Armoured Cable 600/1000V	Page 17
Copper Single Core XLPE PVC Cable	Page 18
Copper Single Core PVC AWA PVC Cable	Page 19
Copper Flame Retardent (FR) Armoured Cable 1.9/3.3KV	Page 20
Aerial Service Connection Cable (CNE)	Page 21
Aerial Service Connection Cable (SNE)	Page 22
Aluminium Conductor Steel Reinforced (ACSR)	Page 23
Aluminium Flame Retardent (FR) Armoured Cable 600/1000V	Page 24
Aluminium Low Halogen (LHC) Armoured Cable 600/1000V	Page 25
Aluminium ECC (FR) Armoured Cable 600/1000V	Page 26
Single Core Aluminium XLPE PVC Cable	Page 27
Aluminium Flame Retardent (FR) Armoured Cable 1.9/3.3KV	Page 28
Aluminium Low Halogen (LHC) Armoured Cable 1.9/3.3KV	Page 29
Cable Accessories - Conduit	Page 30
Quick Cable Selection Guide	Page 31

**PACKAGING**

Available in coils and on wooden drums

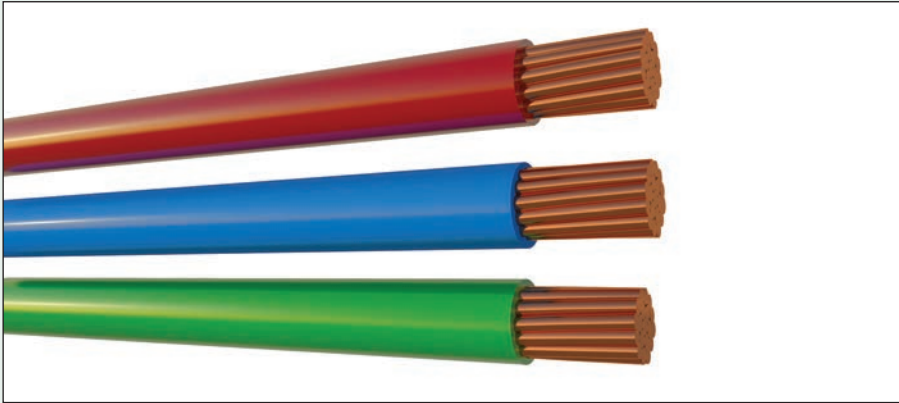
**DESCRIPTION:**

Single core stranded, annealed copper conductor.

**SPECIFICATION: SANS 1411****TECHNICAL INFORMATION**

CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1
(mm <sup>2</sup> )		(mm)	(A)	(MV/A/M)
1.5	7 x 0.53	1.6	20	29.00
2.5	7 x 0.66	2.0	27	18.00
4.0	7 x 0.85	2.6	37	11.00
6.0	7 x 1.04	3.1	47	7.30
10.0	7 x 1.35	4.1	65	4.40
16.0	7 x 1.67	5.0	87	2.80
25.0	7 x 2.14	6.4	114	1.75
35.0	19 x 1.53	7.7	141	1.25
50.0	19 x 1.78	8.9	182	0.95
70.0	19 x 2.14	10.7	234	0.66
95.0	19 x 2.52	12.6	284	0.50
120.0	37 x 2.03	14.2	330	0.41
150.0	37 x 2.25	15.8	381	0.34
185.0	37 x 2.52	17.6	436	0.29
240.0	61 x 2.25	20.2	515	0.25
300.0	61 x 2.52	22.7	594	0.22
400.0	61 x 2.80	26.0	694	0.20
500.0	61 x 3.20	29.2	792	0.185
630.0	91 x 2.97	32.7	904	0.175

Note 1: These ratings are for 2 cables single phase AC or DC clipped direct as per SANS 0142 table 6.2



PACKAGING	
Shrink-wrapped coils	100m
Also available on spools or drums	500m

**DESCRIPTION:**

Plain annealed stranded copper conductors, insulated with a general purpose grade PVC.

**APPLICATION:**

For the wiring of housing, buildings, control panels, appliances.

**SPECIFICATION: SANS 1507-3**

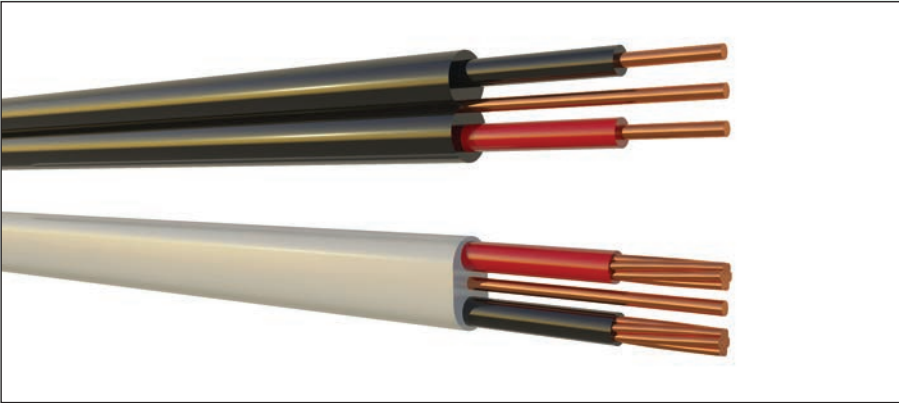
Voltage Rating: 600/1000V

Temperature Range: -10°C to 70°C

Sheath colours: Black, Blue, Brown, Green/Yellow, Grey, Orange, Pink, Purple, Red, White, Yellow.

TECHNICAL INFORMATION					
CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
(mm <sup>2</sup> )		(mm)	(A)	(MV/A/M)	(kg)
1.0	7 x 0.43	2.9	15	44.00	1.7
1.5	7 x 0.53	3.2	20	29.00	2.3
2.5	7 x 0.66	3.6	27	18.00	3.3
4.0	7 x 0.85	4.5	37	11.00	5.2
6.0	7 x 1.04	5.1	47	7.30	7.2
10.0	7 x 1.35	6.0	65	4.40	11.2
16.0	7 x 1.67	7.0	80	2.80	17.0
25.0	19 x 1.31	8.6	104	1.75	26.6
35.0	19 x 1.53	10.0	125	1.25	35.7
50.0	19 x 1.78	11.5	150	0.95	48.3
70.0	19 x 2.14	13.3	190	0.66	68.0
95.0	19 x 2.52	15.5	240	0.50	94.0
120.0	37 x 2.03	17.1	275	0.41	115.4
150.0	37 x 2.25	19.0	310	0.34	142.6
185.0	37 x 2.52	21.2	350	0.29	179.0
240.0	61 x 2.25	24.1	410	0.25	233.5
300.0	61 x 2.52	27.0	465	0.22	317.0
400.0	61 x 2.80	30.3	535	0.20	375.0
500.0	61 x 3.20	34.1	610	0.19	479.0
630.0	91 x 2.97	38.0	700	0.18	612.0

Note 1: These ratings are for 2 cables single phase AC or DC clipped direct as per SANS 0142 table 6.2

**PACKAGING**

Shrink-wrapped coils	100m
Also available on wooden drums	1000m

**DESCRIPTION:**

Solid or stranded plain copper conductors, PVC insulated, laid up with bare copper earth wire, PVC sheathed overall.

**APPLICATION:**

For the wiring of under-plaster wiring, roof wiring, under-floor wiring.

**SPECIFICATION: SANS 1507-2**

Voltage Rating: 300/500 V

Temperature Range: -10°C to 70°C

Sheath colours: Black and white

Core colours: 2 core - black and red

3 core - blue, red and yellow

**TECHNICAL INFORMATION**

CABLE SIZE	CONDUCTOR TYPE		APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
(mm <sup>2</sup> )	(Main)	(Earth)	(mm)	(A)	(MV/A/M)	(kg)
1	1/1.5	1/1.5	7.9 x 4.3	15	44.0	6.8
1.5	1/1.38	1/1.15	8.8 x 4.8	19	29.0	8.3
2.5	1/1.78	1/1.38	10.4 x 5.6	27	18.0	11.7
4	7/0.86	1/1.38	12.2 x 6.2	36	11.0	18.3
6	7/1.04	1/1.78	13.7 x 7.2	46	7.3	23.4
10	7/1.38	7/0.86	17.2 x 8.6	63	4.4	37.1
16	7/1.72	7/1.04	20.0 x 9.8	85	2.8	52.0

Note 1: These ratings are for 2 cables single phase AC or DC clipped direct as per SANS 0142 table 6.3

# Conductors of 4mm<sup>2</sup> and over are stranded



PACKAGING	
Shrink-wrapped coils	100m
Also available on wooden drums	1000m

**DESCRIPTION:**

Plain copper conductors, PVC insulated, laid up with a tinned earth wire in contact with a longitudinal aluminium foil tape, PVC sheathed overall.

**APPLICATION:**

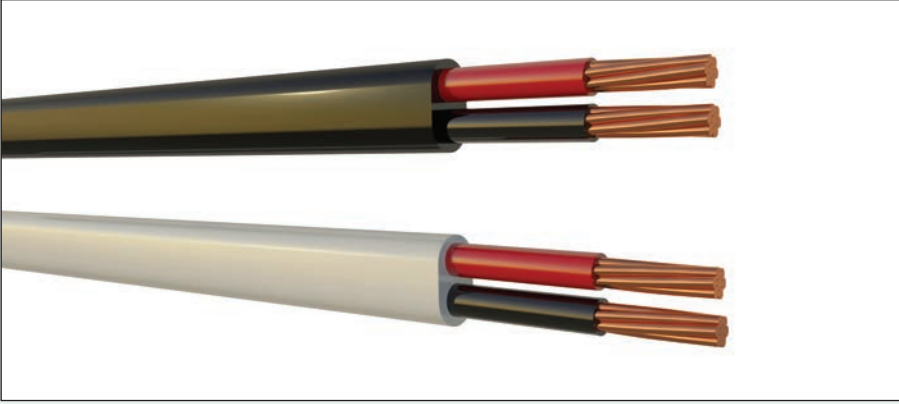
For the wiring of under-plaster wiring, roof wiring, under-floor wiring, surface wiring.

**SPECIFICATION: SANS 1507-2**

- Voltage Rating: 300/500V
- Temperature Range: -10°C to 70°C
- Sheath colours: Black and white
- Core colours: 2 core - Black and red  
3 core - Blue, red and yellow  
4 core - Black, blue, red and yellow

TECHNICAL INFORMATION												
CABLE SIZE	CONDUCTOR TYPE		APPROX. OVERALL DIAMETER			CURRENT RATING NOTE 1		VOLT DROP NOTE 1		APPROX. CABLE WEIGHT MASS PER 100M COIL		
(mm <sup>2</sup> )	MAIN	EARTH	(mm)			(A)		(MV/A/M)		(kg)		
			2C	3C	4C	2C	3C & 4C	2C	3C & 4C	2C	3C	4C
1.5	1.5	1/1.15	8.1	7.6	8.8	19	17	29.0	25.0	10.2	12.1	14.1
2.5	2.5	1/1.38	9.4	8.8	10.3	27	24	18.0	15.0	14.4	16.5	19.6
4.0	4.0	1/1.38	11.1	10.4	12.2	36	32	11.0	9.5	18.6	23.5	28.1
6.0	6.0	1/1.78	12.3	11.5	13.5	46	41	7.3	6.4	27.5	31.7	41.4
10.0	10.0	7/0.86	14.4			63		4.4		35.6		

Note 1: These ratings are for 2 cables single phase AC or DC clipped direct as per SANS 0142 table 6.3

**PACKAGING**

Shrink-wrapped coils

100m

**DESCRIPTION:**

Stranded plain copper conductors, PVC insulated laid flat with a PVC outer sheath.

**APPLICATION:**

For the wiring of outdoor lighting using quickfit lampholders.

**SPECIFICATION: SANS 1507**

Voltage Rating: 300/500 V

Temperature Range: -10°C to 70°C

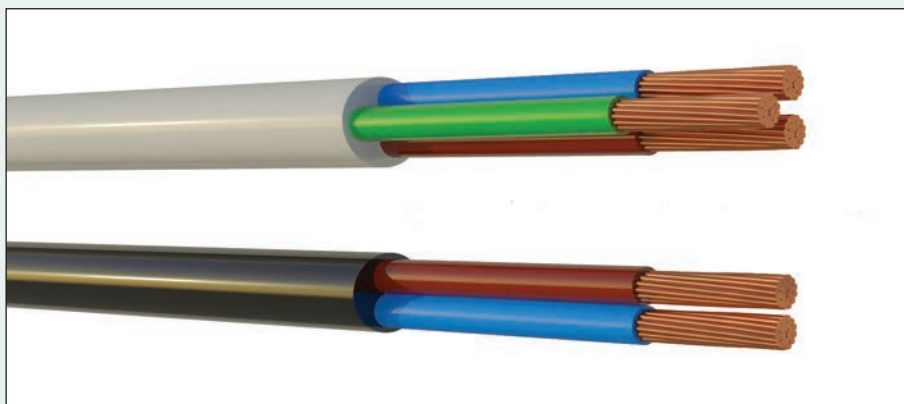
Sheath colour: Black or white

Core colours: 2 core - Black and red

**TECHNICAL INFORMATION**

CABLE SIZE	NOMINAL STRANDING No.x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
(mm <sup>2</sup> )		(mm)	(A)	(MV/A/M)	(kg)
2.5	7 x 0.67	5.6 x 10.2	25	15.0	11.5





PACKAGING	
Shrink-wrapped coils	100m
Also available on wooden drums	1000m

**DESCRIPTION:**

Flexible plain copper conductors, PVC insulated, PVC sheathed overall.

**APPLICATION:**

For the wiring of extension cords, kitchen appliances, power tools.

**SPECIFICATION: SANS 1574**

Voltage Rating: Light Duty (LD) 300/300 V  
Normal Duty (ND) 300/500 V

Note: 4mm<sup>2</sup> = 450/750 V

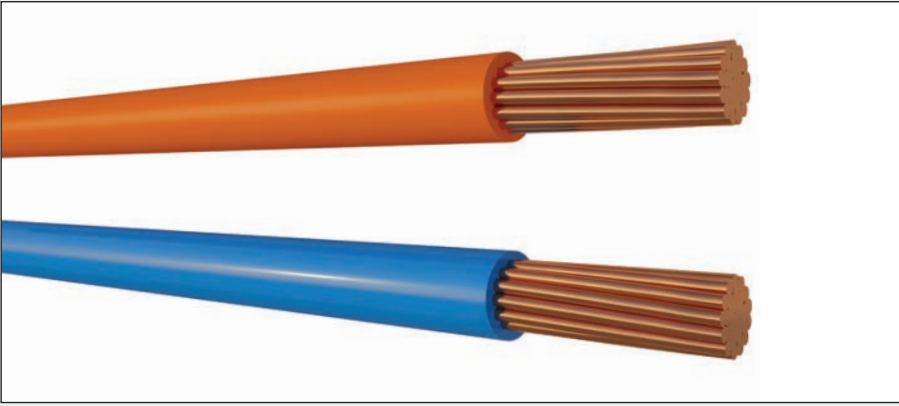
Temperature Range: -10°C to 70°C

Sheath colour: Black, White, Grey, Red and Orange

Core colours:  
 2 core - Brown and Blue  
 3 core - Blue, Brown and Green/Yellow  
 4 core - Black, Blue, Brown and Green/Yellow  
 5 core - Black, Blue, Brown, Green/Yellow and Violet  
 7 core - Black, Blue, Brown, Green/Yellow, Violet, Pink and Orange

TECHNICAL INFORMATION														
CABLE SIZE	CONDUCTOR STRANDS No. x DIAMETER	APPROX. OVERALL DIAMETER					CURRENT RATING NOTE 1	VOLT DROP NOTE 1		APPROX. CABLE WEIGHT MASS PER 100M COIL				
(mm <sup>2</sup> )		(mm)					(A)	(MV/A/M)		(kg)				
		2C	3C	4C	5C	7C		2C	3, 4, 5 & 7C	2C	3C	4C	5C	7C
<b>LIGHT DUTY</b>														
0.5	16 x 0.20	5.2	5.6	6.1	6.6		3	93	80	3.5	4.2	5.1	6.7	-
0.75	24 x 0.20	5.7	5.9	6.6	-	-	6	62	54	4.9	5.6	6.70	-	-
<b>NORMAL DUTY</b>														
0.75	24 x 0.20	6.1	6.5	7.0	7.9	9.3	6	62	54	5.8	6.8	8.0	9.9	12.2
1.0	30 x 0.20	6.7	7.11	7.76	8.6	10.9	10	46	40	6.7	7.6	9.7	11.6	14.8
1.5	30 x 0.25	7.8	8.50	9.50	10.1	13.2	16	32	27	8.9	10.6	13.4	16.2	20.6
2.5	50 x 0.25	9.5	10.4	11.3	12.2	14.1	20	19	16	13.4	16.0	20.1	24.2	31.5
4.0	56 x 0.30	10.3	11.7	12.9	14.1		25	12	10	17.6	22.2	27.5	33.9	-

Note 1: Based on a max ambient temperature of 30°C and max conductor temperature of 70°C

**PACKAGING**

Shrink-wrapped coils	100m
Also available on wooden drums	1000m

**DESCRIPTION:**

Plain annealed flexible copper conductor, insulated with a flexible grade PVC.

**APPLICATION:**

For the wiring of control panels, light fittings, appliances.

**SPECIFICATION: SANS 1574-3**

Voltage Rating: 600/1000V

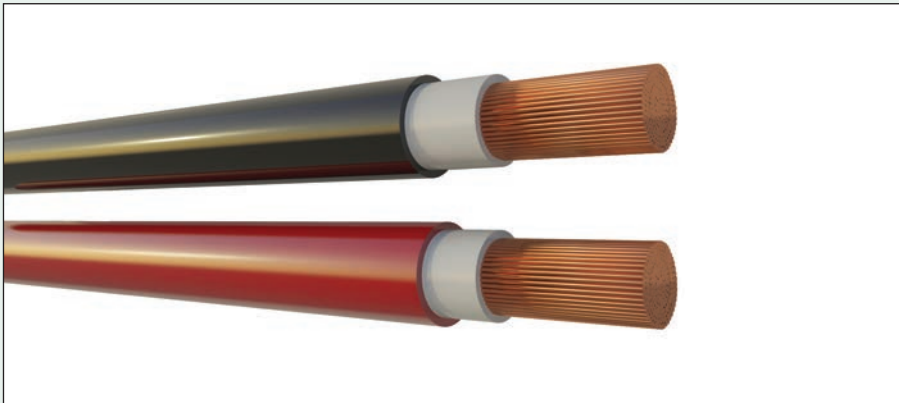
Temperature Range: -10°C to 70°C

Sheath colours: Black, blue, brown, green/yellow, grey, orange, pink, purple, red, white and yellow

**TECHNICAL INFORMATION**

CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
(mm <sup>2</sup> )		(mm)	(A)	(MV/A/M)	(kg)
0.5	15 x 0.20	2.48	3	93.00	1.0
0.75	22 x 0.20	2.68	6	62.00	1.3
1.0	29 x 0.20	2.86	10	44.00	1.5
1.5	28 x 0.25	3.12	16	29.00	2.0
2.5	46 x 0.25	3.54	27	18.00	2.9
4.0	52 x 0.30	4.48	37	11.00	4.8
6.0	84 x 0.30	5.20	47	7.30	7.4
10.0	140 x 0.30	6.12	65	4.40	12.8
16.0	200 x 0.30	9.50	87	2.80	16.3
25.0	312 x 0.30	12.50	114	1.75	25.9
35.0	440 x 0.30	12.90	141	1.25	34.2

Note 1: Based on a max ambient temperature of 30°C and max conductor temperature of 70°C



PACKAGING	
Shrink-wrapped coils	100m
Also available on wooden drums	500m

**DESCRIPTION:**

Plain annealed flexible copper conductor, flexible PVC bedded, with a nitrile PVC sheath.

**APPLICATION:**

For the wiring of control panels and power installations where a flexible conductor is required.

**SPECIFICATION: SANS 1574-3 / SANS 1507**

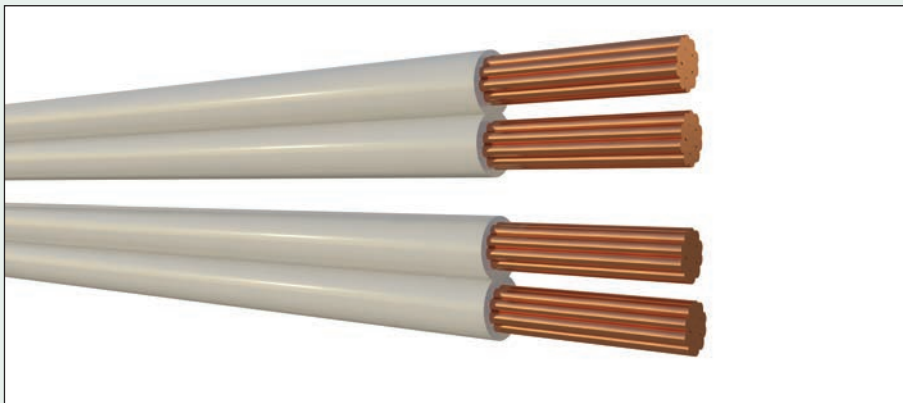
Voltage Rating: 600/1000V

Temperature Range: -10°C to 70°C

Sheath colours: Black, red, green/yellow, blue (Other colours available on request)

TECHNICAL INFORMATION					
CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
(mm <sup>2</sup> )		(mm)	(A)	(MV/A/M)	(kg)
16.0	240 x 0.3	10.3	75	2.420	21.2
25.0	329 x 0.3	11.9	105	1.560	29.4
35.0	455 x 0.3	13.6	125	1.108	38.7
50.0	670 x 0.3	15.7	150	0.772	55.7
70.0	904 x 0.3	17.0	190	0.544	73.6
95.0	1190 x 0.3	19.1	235	0.412	95.3

Note 1: Based on a max ambient temperature of 30°C and a max conductor temperature of 70°C

**PACKAGING**

Shrink-wrapped coils

100m

**DESCRIPTION:**

Flexible plain copper conductors, PVC insulated.

**APPLICATION:**

For the wiring of audio equipment, intercoms, alarm systems.

**SPECIFICATION: SANS 1574**

Voltage Rating: 80V

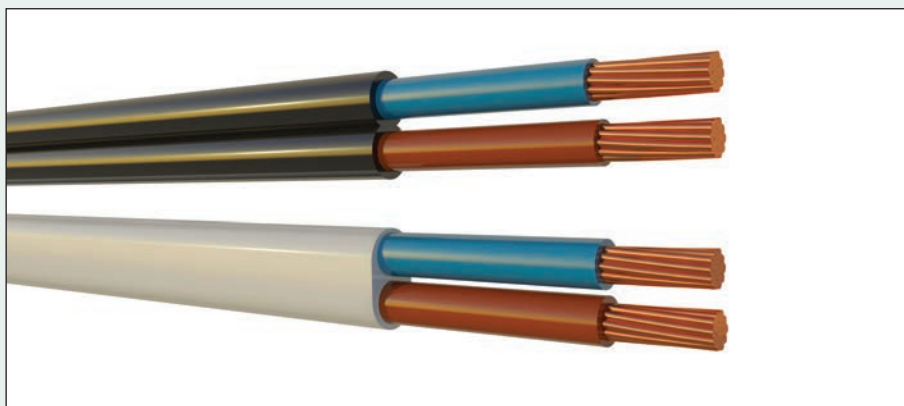
Temperature Range: -10°C to 70°C

Sheath Colours: Black, white, brown, transparent (Other colours available on request)

**TECHNICAL INFORMATION**

CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROXIMATE CABLE WEIGHT MASS PER 100m COIL	
					COLOURED	TRANSPARENT
(mm <sup>2</sup> )		(mm)	(A)	(MV/A/M)	(Kg)	(Kg)
0.5	15 x 0.20	2.5 x 5.4	3	93	2.2	1.9
0.75	22 x 0.20	2.7 x 5.8	6	62	2.8	2.4

Note 1: Based on a max ambient temperature of 30°C and a max conductor temperature of 70°C



### PACKAGING

Shrink-wrapped coils	100m
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### DESCRIPTION:

Flexible plain copper conductors, PVC insulated laid flat with a PVC outer sheath.

### APPLICATION:

For the wiring of lamps, light household appliances, visual equipment.

### SPECIFICATION: SANS 1574

Voltage Rating: 300/300V

Temperature Range: -10°C to 70°C

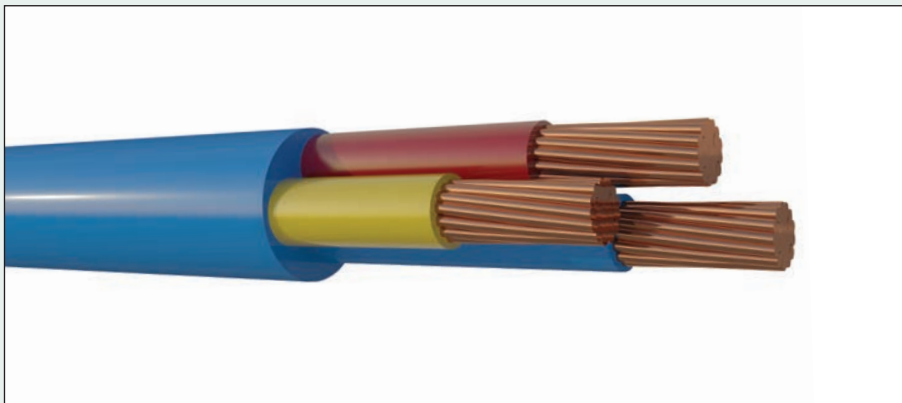
Sheath Colours: Black, White

Core Colours: 2 core - Brown and Blue

### TECHNICAL INFORMATION

CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	CONDUCTOR RESISTANCE AT 20°C MAXIMUM	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
(mm <sup>2</sup> )		(mm)	(A)	(Ω/KM)	(MV/A/M)	(kg)
0.5	16 x 0.20	3.1 x 5.0	3	39	93	4.0
0.75	24 x 0.20	3.8 x 6.1	6	26	62	4.2

Note 1: Based on a max ambient temperature of 30°C and a max conductor temperature of 70°C

**PACKAGING**

Shrink-wrapped coils	100m
Also available on wooden drums	500m

**DESCRIPTION:**

Flexible plain copper conductors, PVC insulated, PVC nitrile overall.

**APPLICATION:**

Submersible pumps, boreholes, farms.

**SPECIFICATION: SANS 1574**

Voltage Rating: 600/1000 V

Temperature Range: -10°C to 70°C

Sheath Colours: 3 core - Royal Blue

4 core - Green

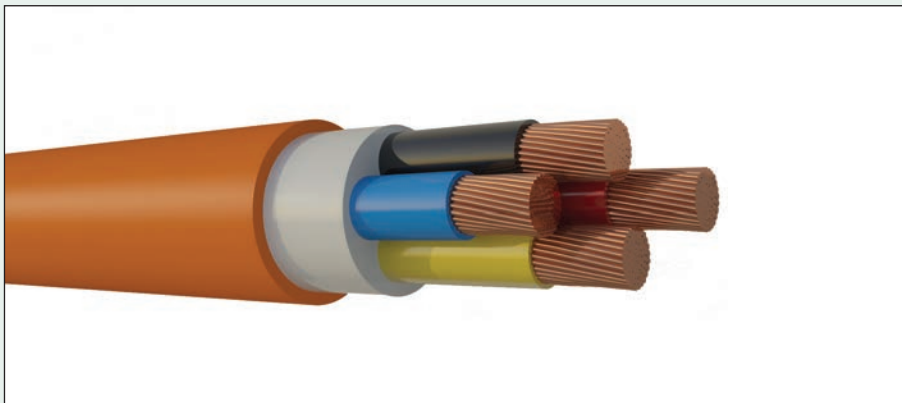
Core Colours: 3 core - Red, Yellow, Blue

4 core - Red, Yellow, Blue, Black

**TECHNICAL INFORMATION**

CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
<b>3 Core (mm<sup>2</sup>)</b>		<b>(mm)</b>	<b>(A)</b>	<b>(MV/A/M)</b>	<b>(kg)</b>
1.5 X 3	28 x 0.25	9.0	15	26.00	13.5
2.5 X 3	46 x 0.25	10.0	20	16.00	17.0
4.0 X 3	52 x 0.30	11.9	30	10.00	25.9
6.0 X 3	84 x 0.30	14.5	35	6.40	37.0
10.0 X 3	140 x 0.30	17.0	50	3.80	58.0
16.0 X 3	210 x 0.30	19.0	65	2.40	74.6
<b>4 Core (mm<sup>2</sup>)</b>		<b>(mm)</b>	<b>(A)</b>	<b>(MV/A/M)</b>	<b>(kg)</b>
1.5 X 4	28 x 0.25	10.5	15	26.00	16.2
2.5 X 4	46 x 0.25	11.0	20	16.00	21.3
4.0 X 4	52 x 0.30	13.5	30	10.00	32.0
6.0 X 4	84 x 0.30	16.0	35	6.40	46.1
10.0 X 4	140 x 0.30	18.3	50	3.80	73.0
16.0 X 4	210 x 0.30	21.0	65	2.40	104.0

Note 1: Based on a max ambient temperature 30°C and conductor temperature of 70°C



### PACKAGING

Shrink-wrapped coils	100m
Also available on wooden drums	500m

### DESCRIPTION:

Flexible plain copper conductors, PVC insulated, PVC bedded, PVC nitrile sheathed overall.

### APPLICATION:

For the wiring of portable and mobile machinery.

### SPECIFICATION: SANS 1574

Voltage Rating: 600/1000V

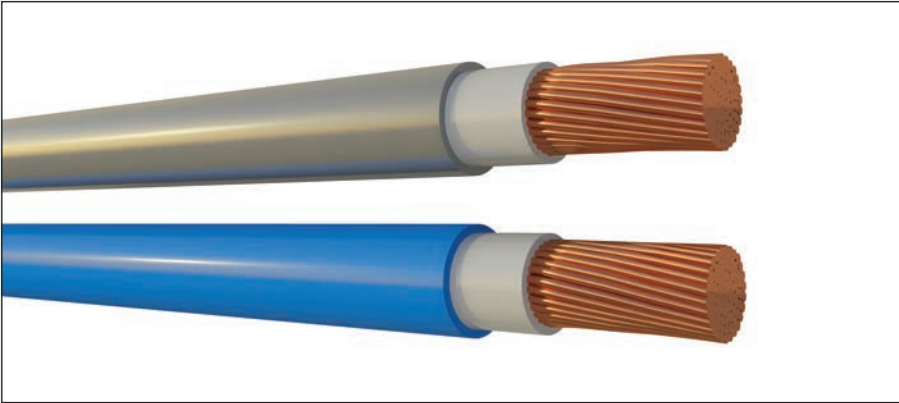
Temperature Range: -10°C to 70°C

Sheath Colour: Orange

Core Colours: 4 core - Red, Yellow, Blue and Black

TECHNICAL INFORMATION					
CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M COIL
(mm <sup>2</sup> )		(mm)	(A)	(MV/A/M)	(kg)
1.5 x 4	30 x 0.25	12.0	16	27.00	22.0
2.5 x 4	50 x 0.25	13.5	25	16.00	27.0
4.0 x 4	56 x 0.30	15.5	32	10.00	38.0
6.0 x 4	84 x 0.30	18.0	37	6.50	52.0
10.0 x 4	140 x 0.30	20.0	50	3.80	72.0
16.0 x 4	224 x 0.30	24.0	65	2.40	104.0
25.0 x 4	376 x 0.30	28.0	94	1.00	149.0

Note 1: Based on a max ambient temperature of 30°C and a max conductor temperature of 70°C

**PACKAGING**

Shrink-wrapped coils	100m
Also available on wooden drums	500m

**DESCRIPTION:**

A light duty welding cable comprising a flexible conductor insulated with a Nitrile/PVC (Synthetic Rubber) compound.

**APPLICATION:**

A welding cable for use in an environment where there is minimal abrasion or oil.

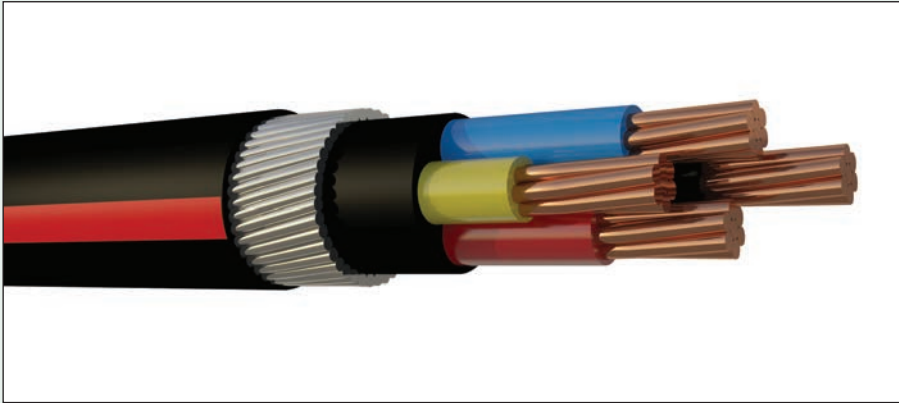
**SPECIFICATION: SANS 1576/AS A GUIDE**

Voltage Rating: 100/100 V

TECHNICAL INFORMATION									
CABLE SIZE	COLOUR	APPROX. OVERALL DIAMETER	MAXIMUM CONDUCTOR RESISTANCE	APPROX. CABLE WEIGHT MASS PER 100M COIL	CURRENT RATING AT A DUTY CYCLE OF: NOTE 1				
					100% (60min/hr)	85% (50min/hr)	60% (36min/hr)	30% (18min/hr)	20% (12min/hr)
(mm <sup>2</sup> )		(mm)	(Ω/km)	(kg)	(A)				
16.0	Green	10.3	1.19	21.2	110	120	140	200	245
25.0	Blue	11.9	0.78	29.4	140	150	180	255	315
35.0	Grey	13.6	0.55	38.7	185	200	240	340	415
50.0	Red	15.7	0.39	55.7	230	250	295	420	515
70.0	Brown	17.0	0.28	73.6	290	315	375	530	650
95.0	Yellow	19.1	0.21	95.3	350	380	450	640	785

Note 1: Based on a max ambient temperature 30°C and a max conductor temperature of 70°C





PACKAGING	
Wooden drums	300m & 500m

**DESCRIPTION:**

Plain annealed copper conductors, PVC insulated, PVC bedded, galvanised steel wire armour, PVC (FR) sheath.

**APPLICATION:**

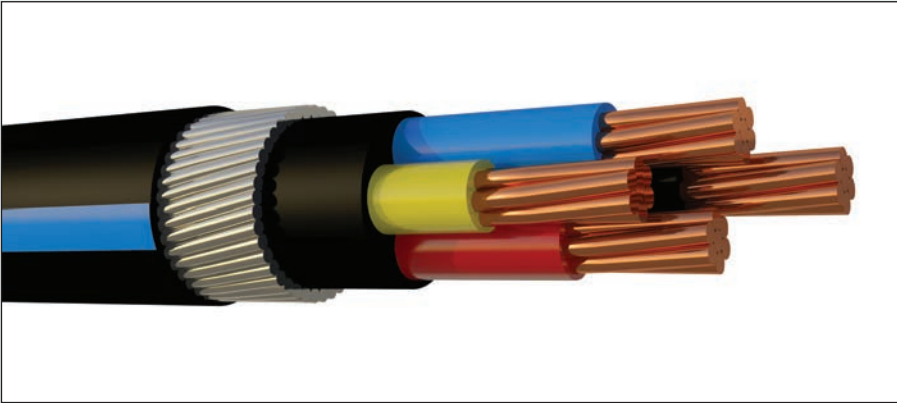
These cables may be used for main power distribution in general industries, houses and commercial buildings. These cables are suitable for direct burial installations as well as in air or ducts. The flame retardency in the PVC of the cable prevents the spread of fire.

**SPECIFICATION: SANS 1507-3**

- Voltage Rating: 600/1000V
- Sheath Colours: Black with Red stripe
- Core Colours: 2 core -Black and Red  
3 core -Red, Yellow and Blue  
4 core -Red, Yellow, Blue and Black  
7 core -Red, Yellow, Blue, Black, Violet, Brown and Orange

TECHNICAL INFORMATION											
CABLE SIZE	APPROX. OVERALL DIAMETER				CURRENT RATING NOTE 1		VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M			
(mm <sup>2</sup> )	(mm)				(A)		(MV/A/M)	(kg)			
	2C	3C	4C	7C	2C	3, 4, & 7C		2C	3C	4C	7C
1.5	13.9	14.4	17.2	17.2	21	18	29	38	44	48	61
2.5	14.6	15.2	16.2	18.3	28	25	18	44	49	56	74
4	16.7	17.4	18.9	21.2	38	33	11	56	64	73	99
6	17.8	18.8	20.2	23.2	49	42	7.3	67	77	88	119
10	19.9	20.8	22.5	-	67	58	4.4	84	96	113	-
16	17.8	20.1	22.2	-	89	77	2.8	76	103	128	-
25	-	26.5	28.4	-	118	102	1.75	-	164	192	-
35	-	27.9	31.2	-	145	125	1.25	-	220	237	-
50	-	31.5	36.5	-	175	151	0.93	-	287	320	-
70	-	35.5	40.1	-	222	192	0.63	-	361	450	-
95	-	40.0	44.7	-	269	231	0.46	-	490	596	-
120	-	42.2	47.4	-	310	267	0.36	-	572	710	-
150	-	46.0	52.7	-	356	306	0.29	-	690	925	-
185	-	51.2	57.5	-	405	348	0.23	-	869	1103	-
240	-	57.2	64.2	-	476	409	0.18	-	1076	1372	-
300	-	62.2	70.2	-	547	469	0.145	-	1295	1654	-

Note 1: These ratings are per SANS 0142 table 6.4

**PACKAGING**

Wooden drums

300m &amp; 500m

**DESCRIPTION:**

Plain annealed copper conductors, PVC insulated, PVC(LH) bedded, galvanised steel wire armour, PVC (LH) sheath.

**APPLICATION:**

These cables may be used for main power distribution in general industries, houses and commercial buildings. These cables are suitable for direct burial installations as well as in air or ducts. The PVC in LHC armoured cable is specially formulated to reduce corrosive halogen gasses which are produced by burning PVC, therefore are suitable for use in closed areas such as mines and offices.

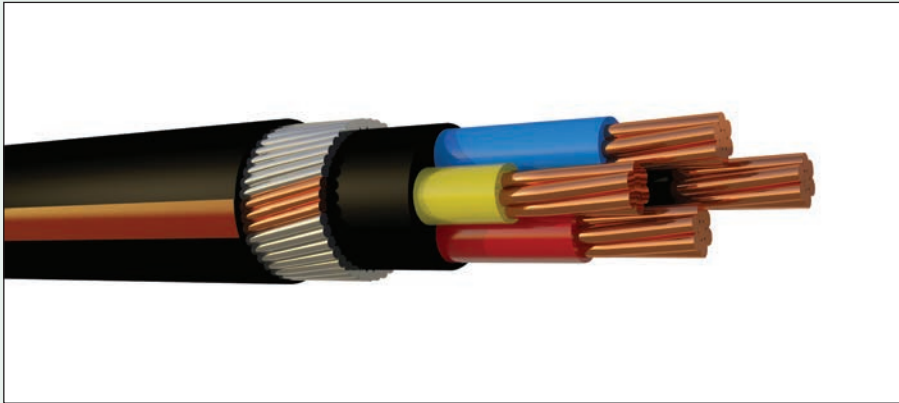
**SPECIFICATION: SAN 1507-3**

Voltage Rating:	600/1000V
Sheath Colours:	Black with Blue stripe
Core Colours:	2 core - Black and Red
	3 core - Red, Yellow and Blue
	4 core - Red, Yellow, Blue and Black
	7 core - Red, Yellow, Blue, Black, Violet, Brown and Orange

**TECHNICAL INFORMATION**

CABLE SIZE (mm <sup>2</sup> )	APPROX. OVERALL DIAMETER (mm)				CURRENT RATING NOTE 1 (A)		VOLT DROP NOTE 1 (MV/A/M)	APPROX. CABLE WEIGHT MASS PER 100M (kg)			
	2C	3C	4C	7C	2C	3, 4, & 7C		2C	3C	4C	7C
1.5	13.9	14.4	15.2	17.2	21	18	29	39	45	49	63
2.5	14.6	15.2	16.2	18.3	28	25	18	45	50	58	76
4	16.7	17.4	18.9	21.6	38	33	11	58	66	75	102
6	17.8	18.8	20.2	23.2	49	42	7.3	69	79	91	123
10	19.9	20.8	22.5	-	67	58	4.4	87	99	116	-
16	17.8	20.1	22.2	-	89	77	2.8	78	106	132	-
25	-	26.5	28.4	-	118	102	1.75	-	169	198	-
35	-	27.9	31.2	-	145	125	1.25	-	227	244	-
50	-	31.5	36.5	-	175	151	0.93	-	296	330	-
70	-	35.5	40.1	-	222	192	0.63	-	372	464	-
95	-	40.0	44.7	-	269	231	0.46	-	505	614	-
120	-	42.2	47.4	-	310	267	0.36	-	589	731	-
150	-	46.0	52.7	-	356	306	0.29	-	711	953	-
185	-	51.2	57.5	-	405	348	0.23	-	895	1136	-
240	-	57.2	64.2	-	476	409	0.18	-	1108	1413	-
300	-	62.2	70.2	-	547	469	0.145	-	1334	1703	-

Note 1: These ratings are per SANS 0142 table 6.4



PACKAGING	
Wooden drums	300m & 500m

**DESCRIPTION:**

Plain annealed copper conductors, PVC insulated, PVC bedded, galvanised steel wire armour with earth continuity conductors in the armour, PVC (FR) sheath.

**APPLICATION:**

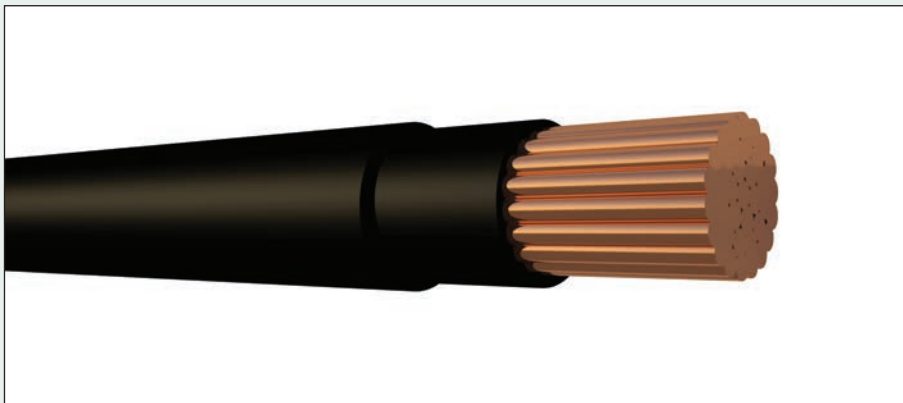
These cables may be used for main power distribution in general industries, houses and commercial buildings where the concentric earth eliminates the need for a supplementary earth continuity conductor.

**SPECIFICATION: SANS 1507-3**

- Voltage Rating: 600/1000V
- Sheath Colours: Black with Red stripe
- Core Colours: 2 core - Black and Red  
3 core- Red, Yellow and Blue  
4 core -Red, Yellow, Blue and Black  
7 core -Red, Yellow, Blue, Black, Violet, Brown and Orange

TECHNICAL INFORMATION												
CABLE SIZE	SIZE OF ECC	APPROX. OVERALL DIAMETER				CURRENT RATING NOTE 1		VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M			
(mm <sup>2</sup> )	(mm <sup>2</sup> )	(mm)				(A)		(MV/A/M)	(kg)			
		2C	3C	4C	7C	2C	3, 4, & 7C		2C	3C	4C	7C
1.5	1	13.9	14.4	15.2	17.2	21	18	29	39	45	49	63
2.5	15	14.6	15.2	16.2	18.3	28	25	18	45	50	58	76
4	2.5	16.7	17.4	18.9	21.6	38	33	11	58	66	75	102
6	4	17.8	18.8	20.2	23.2	49	42	7.3	69	79	91	123
10	6	19.9	20.8	22.5	-	67	58	4.4	87	99	116	-
16	10	17.8	20.1	22.2	-	89	77	2.8	78	106	132	-
25	16	-	26.5	28.4	-	118	102	1.75	-	169	198	-
35	16	-	27.9	31.2	-	145	125	1.25	-	227	244	-
50	25	-	31.5	36.5	-	175	151	0.93	-	296	330	-
70	35	-	35.5	40.1	-	222	192	0.63	-	372	464	-
95	50	-	40.0	44.7	-	269	231	0.46	-	505	614	-
120	70	-	42.2	47.4	-	310	267	0.36	-	589	731	-
150	70	-	46.0	52.7	-	356	306	0.29	-	711	953	-
185	95	-	51.2	57.5	-	405	348	0.23	-	895	1136	-
240	120	-	57.2	64.2	-	476	409	0.18	-	1108	1413	-
300	150	-	62.2	70.2	-	547	469	0.145	-	1334	1704	-

Note 1: These ratings are per SANS 0142 table 6.4



## PACKAGING

Wooden drums

300m &amp; 500m

**DESCRIPTION:**

Plain annealed stranded copper conductors, XLPE insulated unarmoured, PVC sheath.

**APPLICATION:**

Power distribution

Distribution panels and transformers.

**SPECIFICATION: SANS 1507-4**

Voltage Rating: 600/1000V

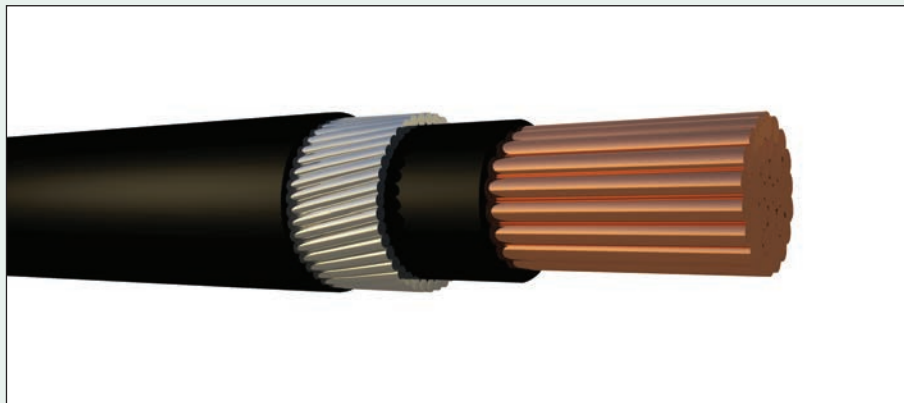
Temperature Range: -10°C to 90°C

Sheath colours: Black (Other colours available on request)

## TECHNICAL INFORMATION

CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER		CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M
		NOMINAL DIAMETERS				
(mm <sup>2</sup> )		(mm)		(A)	(MV/A/M)	(kg)
		Insulation	Sheath			
120	37 x 2.03	17.1	20.2	440	0.410	129
150	37 x 2.25	19.0	22.2	500	0.340	158
185	37 x 2.52	21.2	24.7	580	0.290	197
240	61 x 2.25	24.1	27.8	700	0.250	256
300	61 x 2.52	26.9	30.9	805	0.220	322
400	61 x 2.80	30.3	34.4	870	0.200	407
500	61 x 3.20	34.0	38.3	1015	0.185	516
630	91 x 2.97	37.9	42.5	1200	0.175	655

Note 1: These ratings are for 2 cables touching in air



PACKAGING	
Wooden drums	300m & 500m

**DESCRIPTION:**

Plain annealed stranded copper conductors, PVC insulated AWA, PVC sheath.

**APPLICATION:**

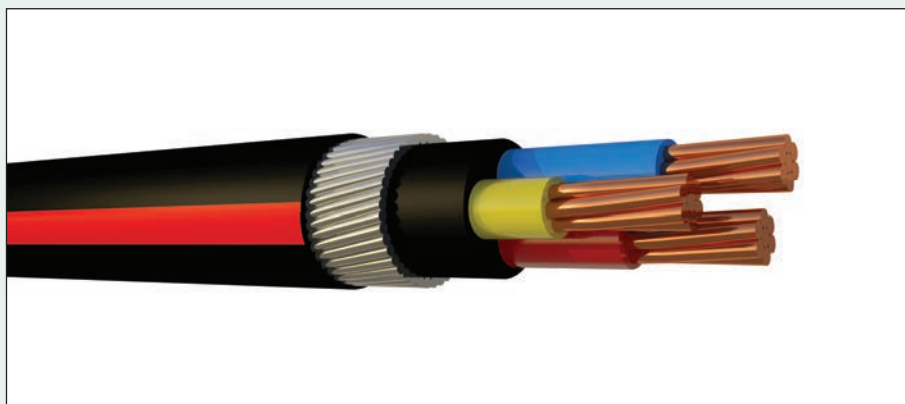
Power distribution.  
Distribution panels and transformers.

**SPECIFICATION: SANS 1507-3**

Voltage Rating: 600/1000V  
Temperature Range: -10°C to 70°C  
Sheath colours: Black (Other colours available on request)

TECHNICAL INFORMATION									
CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. DIAMETER			CURRENT RATING NOTE 1			VOLT DROP NOTE 1	APPROX. CABLE WEIGHT MASS PER 100M
(mm <sup>2</sup> )		(mm)			Ground (A)	Duct (A)	Air (A)	(MV/A/M)	(kg)
		Insulation	AWA	Sheath					
120	37 x 2.03	17.1	1.6	25.7	301	269	314	0.41	178
150	37 x 2.25	19.0	1.6	28.0	336	299	357	0.34	210
185	37 x 2.52	21.2	1.6	30.3	370	329	401	0.29	254
240	61 x 2.25	24.1	1.6	33.3	410	363	481	0.25	311
300	61 x 2.52	26.9	2.0	37.7	476	420	546	0.22	412
400	61 x 2.80	30.3	2.0	42.3	529	465	622	0.20	513
500	61 x 3.20	34.0	2.0	46.0	581	509	695	0.18	620
630	91 x 2.97	37.9	2.5	50.9	623	541	779	0.17	821

Note 1: These ratings are for 2 cables single phase AC or DC clipped direct as per SANS 0142 table 6.2

**PACKAGING**

Wooden drums

300m &amp; 500m

**DESCRIPTION:**

Shaped stranded copper conductors, XLPE insulated, PVC bedded, galvanised steel wire armour, PVC (FR) sheathed.

**APPLICATION:**

These cables may be used for main power distribution in general industries, houses and commercial buildings. These cables are suitable for direct burial installations as well as in air or ducts. The flame retardancy in the PVC of the cable prevents the spread of fire .

**SPECIFICATION: SANS 1507-4**

Voltage Rating: 1900/3300V

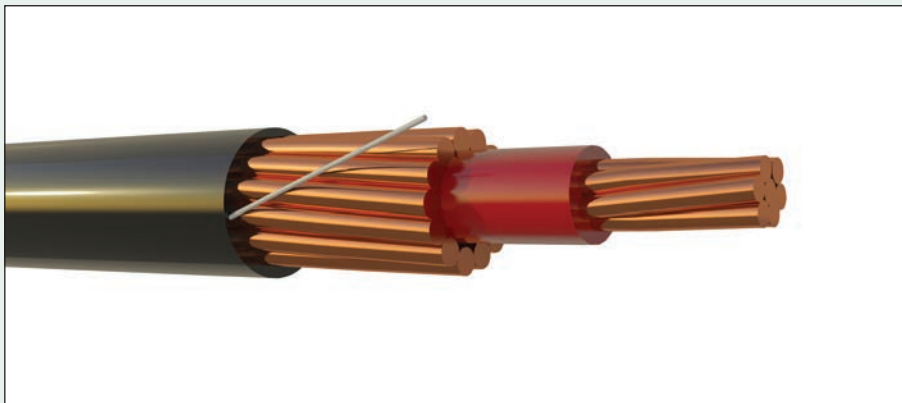
Sheath Colour: Black with Red stripe

Core Colours: 3 core - Red, Yellow and Blue

**TECHNICAL INFORMATION**

CABLE SIZE (mm <sup>2</sup> )	APPROX. OVERALL DIAMETER (mm)	CURRENT RATING NOTE 1			IMPEDANCE (Ω/km)	VOLT DROP NOTE 1 (MV/A/M)	APPROX. CABLE WEIGHT MASS PER 100M (kg)
		Ground (A)	Ducts (A)	Air (A)			
10	26	70	58	62	2.19	4.4	142
16	29	91	75	83	1.38	2.8	196
25	32	119	96	110	0.727	1.257	224
35	34	143	116	135	0.524	0.907	237
50	37	169	138	163	0.387	0.670	274
70	39	210	171	207	0.268	0.464	382
95	42	251	205	251	0.193	0.334	507
120	43	285	234	290	0.153	0.265	593
150	45	320	263	332	0.124	0.215	717
185	46	361	298	378	0.153	0.265	809
240	55	416	344	445	0.104	0.180	1108
300	59	465	385	510	0.078	0.140	1564

Note 1: These ratings are per SANS 0142 table 6.4



### PACKAGING

Wooden drums

500m

### DESCRIPTION:

Stranded hard drawn copper phase conductor, XLPE insulated with bare neutral earth conductors. Polyethylene sheathed house service cable. Nylon ripcord laid under sheath.

### APPLICATION:

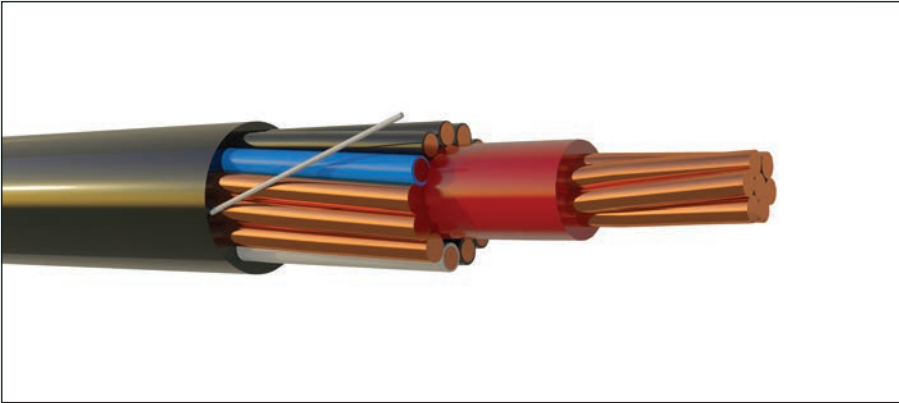
Aerial CNE Cable is used for house connections. This cable can only be used for single phase supply. Cable is made to be suspended in the air. Aerial CNE Cable is also suitable for underground general use. Split concentric cable suitable for power distribution as an underground or overhead cable.

### SPECIFICATIONS: SANS 1507/6

Voltage rating: 600/1000V

Conductor type: Bare neutral and earth conductors

TECHNICAL INFORMATION		
Cable Size (mm <sup>2</sup> )	10	16
Phase Conductor Resistance (Ohm/Km) DC @ 20°C	1.89	1.19
Phase Conductor Impedance (Ohm/Km)	2.34	1.47
Phase Conductor Strand size (mm) & No.	1.35 x 7	1.74 x 7
Phase Conductor Insulation Thickness (mm)	0.7	0.7
Phase conductor OD (mm)	5.45	6.41
Neutral Size (mm <sup>2</sup> )	10	16
Neutral Conductor Strand size (mm) & No.	1.33 x 7	1.67 x 7
Earth size (mm <sup>2</sup> )	7.5	11
Earth Conductor Strand Size (mm) & No.	1.78 x 3	2.2 x 3
Communication Cores - Solid - OD(mm) & No.	0.8 x 2	0.8 x 2
Current Rating (A)	50	70
(In Air 30°C ambient - max Conductor Temperature 90°C)		
Nominal Sheath Thickness (mm)	1.4	1.6
Approximate Cable OD (mm)	12	14
Approximate Cable Mass (Kg/Km)	319	488

**PACKAGING**

Wooden drums

500m

**DESCRIPTION:**

Stranded hard drawn copper phase conductor, XLPE insulated, polyethylene insulated neutral with bare earth conductors. Polyethylene sheathed house service cable. Nylon ripcord laid under sheath.

**APPLICATION:**

Aerial SNE Cable is used for house connections. This cable can only be used for single phase supply. Cable is made to be suspended in the air. Aerial SNE Cable is also suitable for underground general use. Split concentric cable suitable for power distribution as an underground or overhead cable.

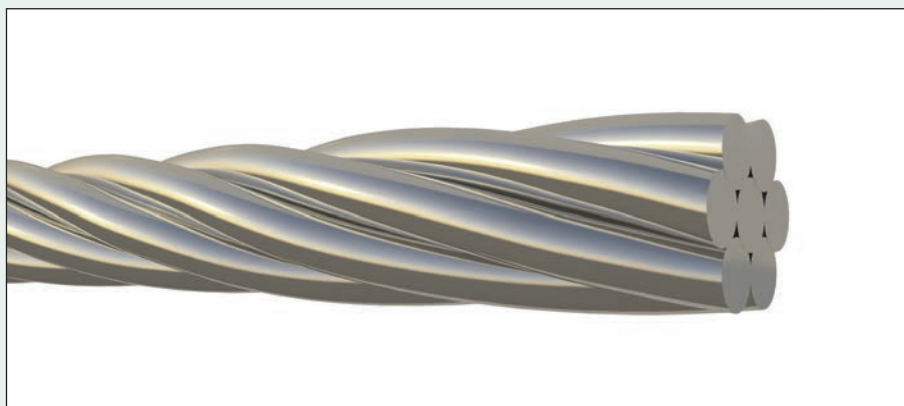
**SPECIFICATIONS: SANS 1507/6**

Voltage rating: 600/1000V

Conductor type: Insulated neutral and bare earth conductors

TECHNICAL INFORMATION		
Cable Size (mm <sup>2</sup> )	10	16
Phase Conductor Resistance (Ohm/Km) DC @ 20°C	1.89	1.19
Phase Conductor Impedance (Ohm/Km)	2.34	1.47
Phase Conductor Strand size (mm) & No.	1.35 x 7	1.74 x 7
Phase Conductor Insulation Thickness (mm)	0.7	0.7
Phase conductor OD (mm)	5.45	6.41
Neutral Size (mm <sup>2</sup> )	10	16
Neutral Conductor Strand size (mm) & No.	1.33 x 7	1.67 x 7
Earth size (mm <sup>2</sup> )	7.5	11
Earth Conductor Strand Size (mm) & No.	1.78 x 3	2.2 x 3
Communication Cores - Solid - OD(mm) & No.	0.8 x 2	0.8 x 2
Current Rating (A)	50	70
(In Air 30°C ambient - max Conductor Temperature 90°C)		
Nominal Sheath Thickness (mm)	1.4	1.6
Approximate Cable OD (mm)	12	14
Approximate Cable Mass (Kg/Km)	319	488





**PACKAGING**

Wooden drums

**DESCRIPTION:**

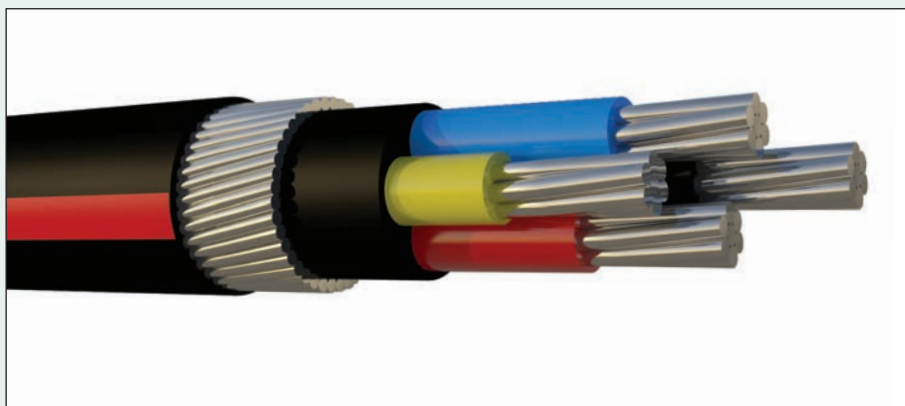
Plain hard drawn aluminium strands laid up around a galvanised steel wire centre strand.

**APPLICATION:**

Conductor for overhead transmission lines.

**SPECIFICATION: IEC 61089**

TECHNICAL INFORMATION										
CODE NAME	EQUIVALENT COPPER AREA	STRANDING OR WIRE DIAMETER	OVERALL DIAMETER	MASS (KG/KM)			TENSILE STRENGTH	DC RESISTANCE @ 20°C	CURRENT RATING	STD. DRUM LENGTH
	(mm <sup>2</sup> )	(mm)	(mm)	Aluminium	Steel	Total	(N)	(Ω/km)	(A)	(M)
Mole	6.45	6/1/1.50	4.50	29.10	13.89	42.99	4780	2.7062	87	3000
Squirrel	12.90	6/1/2.11	6.33	57.70	27.38	85.08	8020	1.3677	130	3000
Gopher	16.30	6/1/2.36	7.08	72.20	34.27	106.47	9610	1.0933	150	3000
Fox	22.58	6/1/2.79	8.37	100.55	47.87	148.42	13100	0.7822	190	3000
Ferrett	25.81	6/1/3.00	9.00	116.77	55.50	172.27	15200	0.6766	210	1500
Rabbit	32.26	6/1/3.35	10.05	145.57	69.20	214.77	18500	0.5426	240	1500
Mink	38.71	6/1/3.66	10.98	173.80	82.39	256.19	21900	0.4546	260	1500
Beaver	45.16	6/1/3.99	11.97	206.56	98.12	304.67	25900	0.3825	290	1500
Raccoon	48.39	6/1/4.09	12.27	217.04	103.15	320.19	27200	0.364	300	1500
Hare	64.52	6/1/4.72	14.16	289.00	137.02	426.02	36000	0.2733	360	1500

**PACKAGING**

Wooden drums

300m &amp; 500m

**DESCRIPTION:**

Plain hard drawn aluminium conductors, XLPE insulated, PVC bedded, galvanised steel wire armour, PVC (FR) sheath.

**APPLICATION:**

These cables may be used for main power distribution in general industries, houses and commercial buildings. These cables are suitable for direct burial installations as well as in air or ducts. The flame retardancy in the PVC of the cable prevents the spread of fire.

**SPECIFICATION: SANS 1507/4**

Voltage Rating: 600/1000V

Sheath Colours: Black with Red stripe

Core Colours: 2 core -Black and Red

3 core -Red, Yellow and Blue

4 core -Red, Yellow, Blue and Black

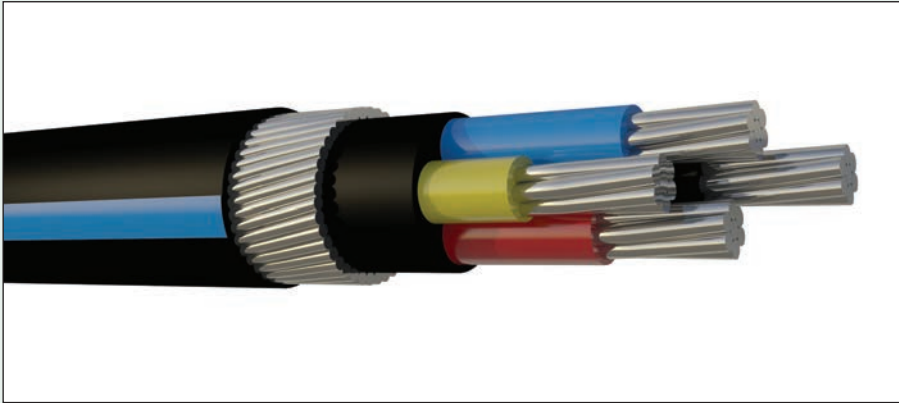
7 core -Red, Yellow, Blue, Black, Violet, Brown and Orange

**TECHNICAL INFORMATION**

CABLE SIZE	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT
(mm <sup>2</sup> )	(mm)	(A)	(MV/A/M)	(kg/km)
16	20.2	61	3.9	895
25	24.9	80	2.5	1197
35	27.3	99	1.8	1356
50	31.3	119	1.35	1845
70	37.3	151	0.92	2630
95	40.1	186	0.68	3181
120	44.8	216	0.55	3811
150	47.2	250	0.44	4745
185	53.5	287	0.37	5563
240	59.3	342	0.30	6861

Note 1: These ratings are per SANS 0142 table 6.7(a)

Information shown is for 4 core. -2, 3 and 7 core information available on request



PACKAGING	
Wooden drums	300m & 500m

**DESCRIPTION:**

Plain hard drawn aluminium conductors, XLPE insulated, PVC (LH) bedded, galvanised steel wire armour, PVC (LHC) sheath.

**APPLICATION:**

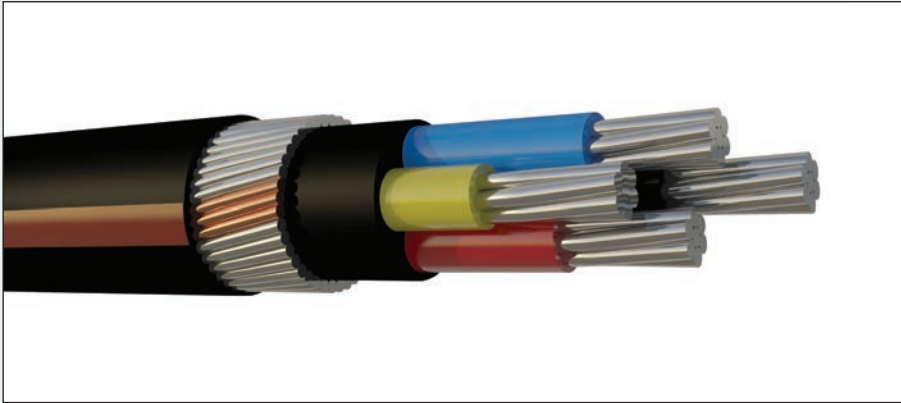
These cables may be used for main power distribution in general industries, houses and commercial buildings. These cables are suitable for direct burial installations as well as in air or ducts. The PVC in LHC armoured cable is specially formulated to reduce corrosive halogen gasses which are produced by burning PVC, so are suitable for use in closed areas such as mines and offices.

**SPECIFICATION: SAN 1507/4**

- Voltage Rating: 600/1000V
- Sheath Colours: Black with Blue stripe
- Core Colours: 2 core - Black and Red  
3 core - Red, Yellow and Blue  
4 core - Red, Yellow, Blue and Black  
7 core - Red, Yellow, Blue, Black, Violet, Brown and Orange

TECHNICAL INFORMATION				
CABLE SIZE	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT
(mm <sup>2</sup> )	(mm)	(A)	(MV/A/M)	(kg/km)
16	20.2	61	3.9	895
25	24.9	80	2.5	1197
35	27.3	99	1.8	1356
50	31.3	119	1.35	1845
70	37.3	151	0.92	2630
95	40.1	186	0.68	3181
120	44.8	216	0.55	3811
150	47.2	250	0.44	4745
185	53.5	287	0.37	5563
240	59.3	342	0.30	6861

Note 1: These ratings are per SANS 0142 table 6.7(a)  
Information shown is for 4 core. -2, 3 and 7 core information available on request

**PACKAGING**

Wooden drums

300m &amp; 500m

**DESCRIPTION:**

Plain hard drawn aluminium conductors, XLPE insulated, PVC bedded, galvanised steel wire armour with earth continuity conductors in the armour, PVC sheath.

**APPLICATION:**

These cables may be used for main power distribution in general industries, houses and commercial buildings where the concentric earth eliminates the need for a supplementary earth continuity conductor.

**SPECIFICATION: SANS 1507/4**

Voltage Rating: 600/1000V

Sheath Colours: Black with Red stripe

Core Colours: 2 core - Black and Red

3 core- Red, Yellow and Blue

4 core -Red, Yellow, Blue and Black

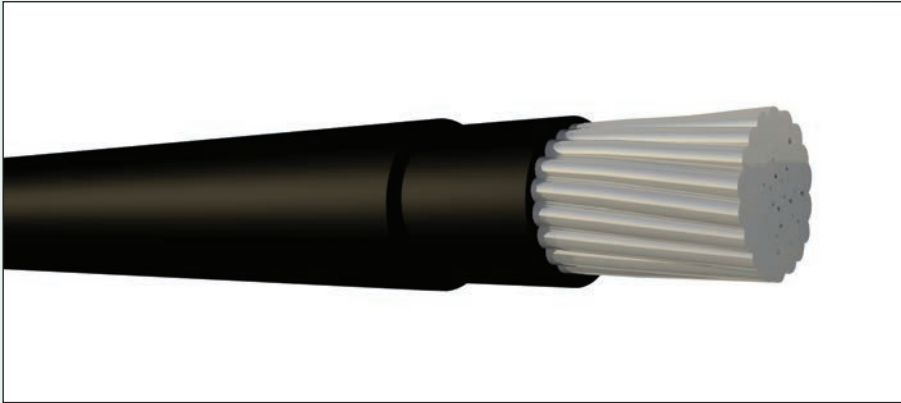
7 core -Red, Yellow, Blue, Black, Violet, Brown and Orange

**TECHNICAL INFORMATION**

CABLE SIZE	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT
(mm <sup>2</sup> )	(mm)	(A)	(MV/A/M)	(kg/km)
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150	47.2	250	0.44	4745
185	53.5	287	0.37	5563
240	59.3	342	0.30	6861

Note 1: These ratings are per SANS 0142 table 6.7(a)

Information shown is for 4 core. -2, 3 and 7 core information available on request



PACKAGING	
Wooden drums	300m & 500m

**DESCRIPTION:**

Plain hard drawn stranded aluminium conductor, XLPE insulated, unarmoured with a PVC sheath.

**APPLICATION:**

Power distribution: distribution panels and transformers.

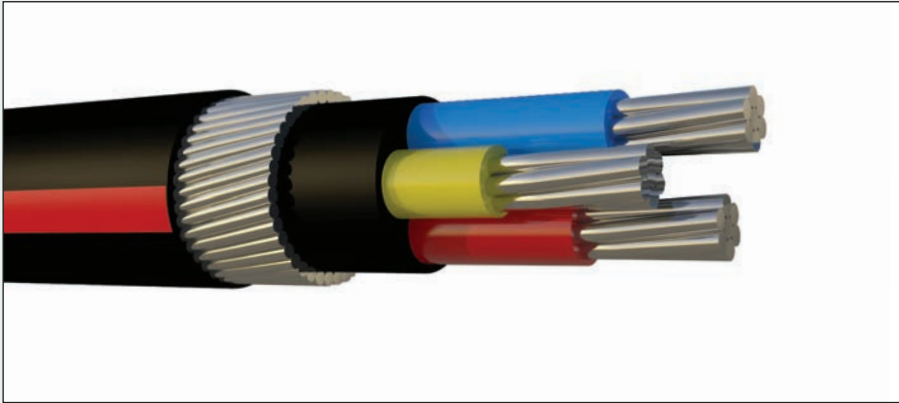
**SPECIFICATION: SANS 1507**

Voltage Rating: 1900 / 3300V

Temperature range: -10°C to 90°C

Sheath colours: Black (other colours on request)

TECHNICAL INFORMATION						
CABLE SIZE	NOMINAL STRANDING No. x DIAMETER	APPROX. OVERALL DIAMETER (Nominal diameters)		CURRENT RATING	VOLTAGE DROP	APPROX. CABLE WEIGHT
(mm <sup>2</sup> )		(mm)		(A)	(MV/A/M)	(kg/km)
		Insulation	Sheath			
120	37 x 2.03	18	21.8	290	0.60	590
150	37 x 2.25	20	23.3	337	0.49	686
185	37 x 2.52	21	25.6	391	0.41	840
240	61 x 2.25	24	27.9	465	0.34	1014
300	61 x 2.52	26	30.1	540	0.29	1199
400	61 x 2.80	29	33.4	625	0.24	1495
500	61 x 3.20	33	37.5	714	0.21	1890
630	91 x 2.97	37	41.3	800	0.19	2319

**PACKAGING**

Wooden drums

300m &amp; 500m

**DESCRIPTION:**

Plain hard drawn aluminium conductors, XLPE insulated, PVC bedded, galvanised steel wire armoured, PVC (FR) sheathed.

**APPLICATION:**

The use of intermediate voltage represents a considerable cost saving compared to the conventional systems through the ability to convey increased power over longer distances with smaller conductor sizes. Suitable for direct burial installations as well as in air or ducts. The flame retardency in the PVC prevents the spread of fires.

**SPECIFICATIONS: SANS 1507/4**

Voltage rating: 1900 / 3300V

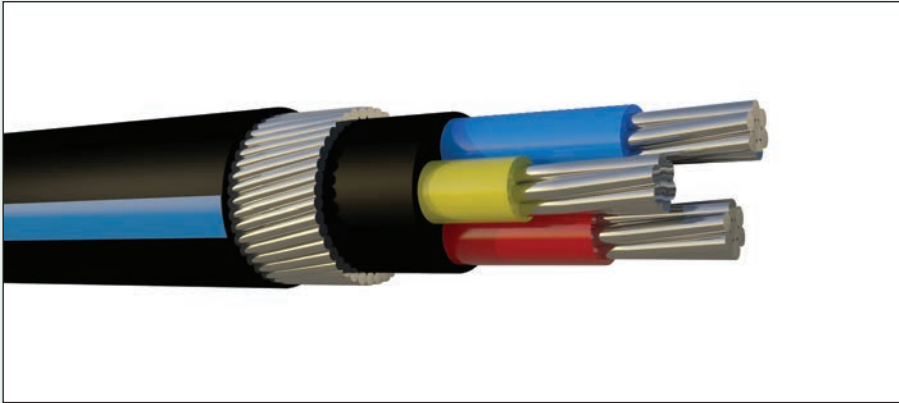
Core colours: 3 core - Red, Yellow and Blue

Sheath colours: Black with Red stripe

**TECHNICAL INFORMATION**

CABLE SIZE	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT
(mm <sup>2</sup> )	(mm)	(A)	(MV/A/M)	(kg/km)
25	29	80	2.50	1320
35	30	99	1.81	1598
50	34	119	1.34	1879
70	38	151	0.93	2569
95	42	186	0.68	3061
120	46	216	0.54	3507
150	50	250	0.45	4433
185	52	287	0.36	4837
240	58	342	0.29	5859

Note 1: These ratings are per SANS 0142 Table 6.7



PACKAGING	
Wooden drums	300m & 500m

**DESCRIPTION:**

Plain hard drawn aluminium conductors, XLPE insulated, PVC bedded, galvanised steel wire armoured, PVC (LHC) sheathed.

**APPLICATION:**

The use of intermediate voltage represents a considerable cost saving compared to the conventional systems through the ability to convey increased power over longer distances with smaller conductor sizes. Suitable for direct burial installations as well as in air or ducts. The PVC in LHC cable is specially formulated to reduce corrosive gasses which are produced by burning PVC, so are suitable for use in closed areas such as mines and offices.

**SPECIFICATIONS: SANS 1507/4**

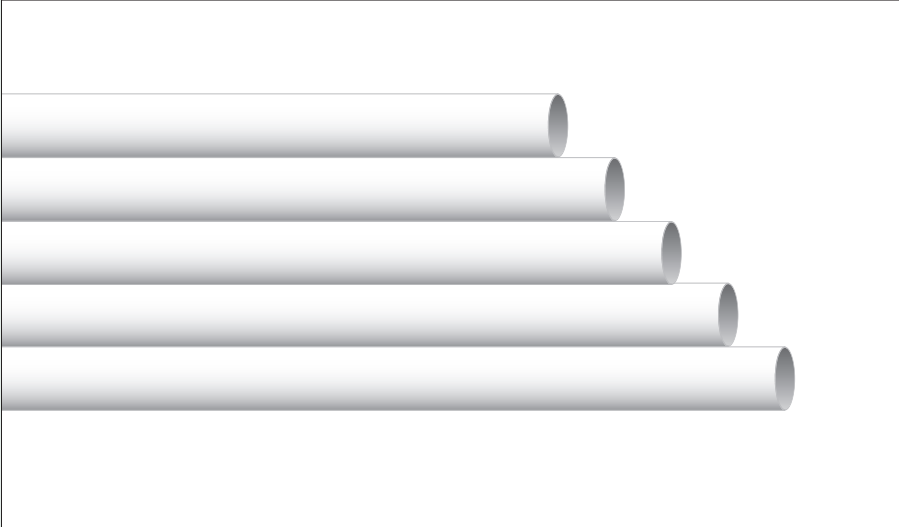
Voltage rating: 1900 / 3300V

Core colours: 3 core - Red, Yellow and Blue

Sheath colours: Black with Blue stripe

TECHNICAL INFORMATION				
CABLE SIZE	APPROX. OVERALL DIAMETER	CURRENT RATING NOTE 1	VOLT DROP NOTE 1	APPROX. CABLE WEIGHT
(mm <sup>2</sup> )	(mm)	(A)	(MV/A/M)	(kg/km)
25	29	80	2.50	1320
35	30	99	1.81	1598
50	34	119	1.34	1879
70	38	151	0.93	2569
95	42	186	0.68	3061
120	46	216	0.54	3507
150	50	250	0.45	4433
185	52	287	0.36	4837
240	58	342	0.29	5859

Note 1: These ratings are per SANS 0142 Table 6.7

**PACKAGING**

100m Bundles

**TECHNICAL INFORMATION**

PRODUCT SPECIFICATION	UNITS PER PACK	STANDARD LENGTHS
20mm	25	4m
25mm	25	4m

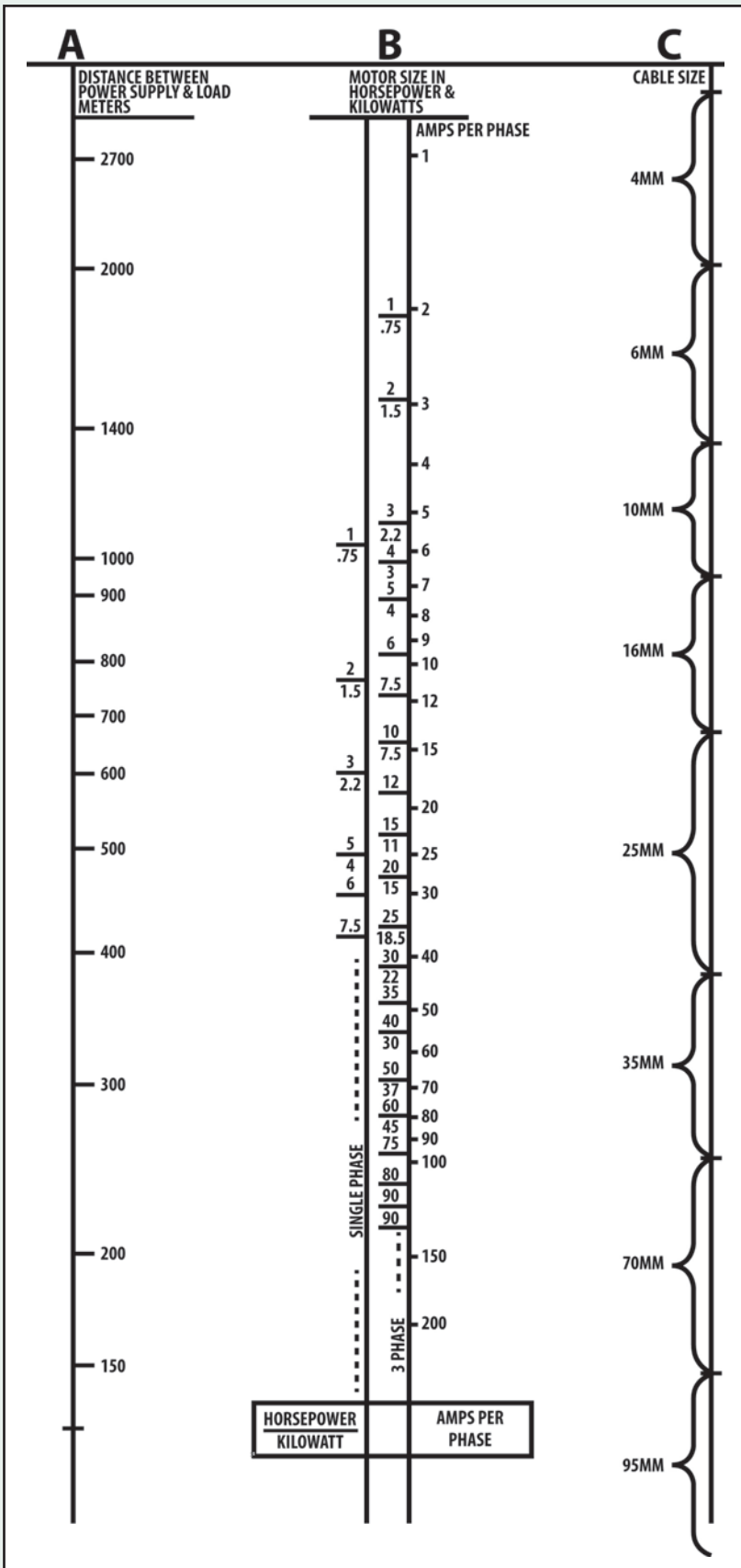


**FOR ANY GIVEN LOAD OVER A DISTANCE OF 100 METERS AND OVER**

**INSTRUCTIONS FOR USE:**

- From column B, select the size of the motor, ie: HORSEPOWER (HP)/KILOWATT (KW).  
Alternatively, if the motor current is known then select the current to be drawn.
- Now select the distance from the motor to the distribution point under column A.
- Line a ruler up with the points selected on both A and B and look at column C for the size of the cable needed for the given installation.

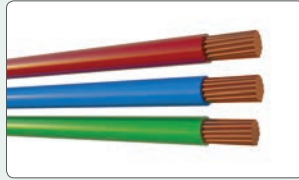
**NB:** If working in HP/KW be careful to select 1 phase/3 phase as needed.







**Bare Copper Earth Wire**



**General Purpose Wire**



**Flat Twin and Earth**



**Surface Wiring**



**Twin Illumination Cable**



**Cabtyre**



**Single Core Flex**



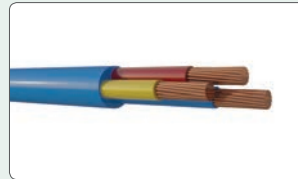
**Flex Power**



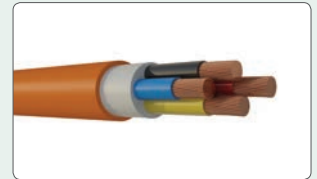
**Ripcord**



**Mainscord**



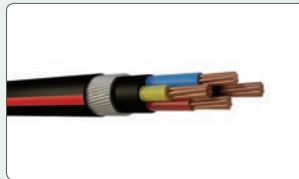
**Submersible Pump Cable**



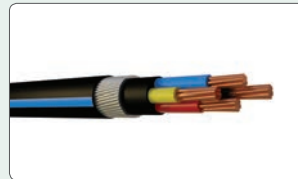
**Nitrile Trailing Cable**



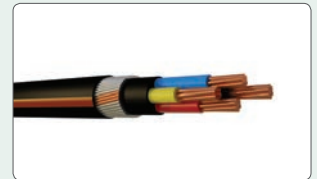
**PVC Nitrile Welding Cable**



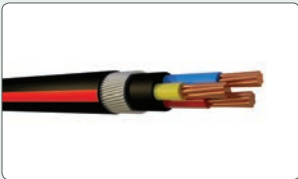
**Copper Flame Retardant (FR) Armoured Cable**



**Copper Low Halogen (LHC) Armoured Cable**



**Copper Flame Retardant ECC (FR) Armoured Cable**



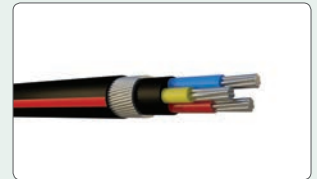
**Copper Armoured Cable (FR) 1.9/3.3 KV**



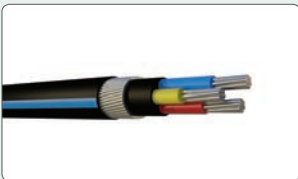
**Copper Single Core XLPE PVC Cable**



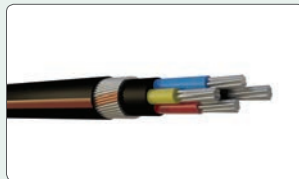
**Copper Single Core PVC AWA PVC Cable**



**Aluminium Flame Retardant (FR) Armoured Cable**



**Aluminium Low Halogen (LHC) Armoured Cable**



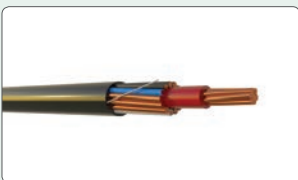
**Aluminium ECC (FR) Armoured Cable**



**Aluminium Conductor Steel Reinforced (ACSR)**



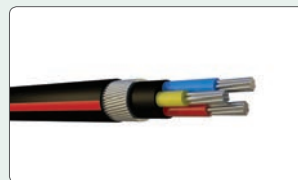
**Aerial Service Connection Cable (CNE)**



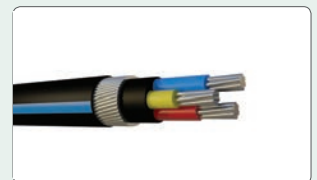
**Aerial Service Connection Cable (SNE)**



**Single Core Aluminium XLPE PVC Cable**



**Aluminium Flame Retardant (FR) Armoured Cable 1.9 / 3.3 KV**



**Aluminium Low Halogen (LHC) Armoured Cable 1.9 / 3.3 KV**



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